

Abstract of the Disclosure

A plug-in connector for connecting and transmitting signals from a circuit board to a back plane wherein the plug-in connector comprises an optical conductor for transmitting optical signals into the plug-in connector and at least one mirror coupled to the optical conductor for deflecting light at an approximately 90° angle in the plug-in connector. There is also a lens system disposed adjacent to the mirror and coupled to the optical conductor for coupling the light into the plug-in connector. This optical conductor can comprise a plurality of glass fiber lines for coupling in the optical signal. Alternatively, this optical conductor could be lines formed from plastic polymers.